

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of)	
)	
Dan Vassilovski <i>et al.</i>)	For: SYSTEM AND METHOD FOR
)	EXTENDED SIP HEADERS FOR
)	CDMA PARAMETERS
Serial No. 09/905,510)	Examiner: Duc T. Duong
)	
Filed: July 13, 2001)	Group No. 2616

AMENDMENT

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated July 11, 2006, please amend the above-identified application as follows:

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this correspondence is, on the date shown below, being:

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Signature: Patricia Parks

AMENDMENTS TO THE CLAIMS

Claims 1-59 are pending in the present application. In the present response, claims 1-5, 9-10, 12-14, 16-27, 29-32, 34-36 and 38-57 have been canceled and claims 6-8, 11, 15, and 28 have been amended. A complete list of pending claims follows.

The Listing of Claims will replace all prior versions and listings of claims in the present patent application:

LISTING OF CLAIMS

Please amend the claims as follows:

1-5 (Cancelled)

6. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header containing information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one telephony infrastructure component receiving the information for use thereof in establishing communication with the wireless communication device, wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message,

the information represents CDMA call set-up parameters, and
the parameters are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure, wherein the information includes at least one station classmark and ~~The system of Claim 5, wherein~~ the classmark represents at least wireless telephone power.

7. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header containing information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one telephony infrastructure component receiving the information for use thereof in establishing communication with the wireless communication device,
wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message,

the information represents CDMA call set-up parameters, and
the parameters are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure ~~The system of Claim 4,~~ wherein the information represents whether a signalling encryption is supported by the wireless communication device.

8. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header containing information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one telephony infrastructure component receiving the information for use thereof in establishing communication with the wireless communication device,
wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message,

the information represents CDMA call set-up parameters, and
the parameters are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure ~~The system of Claim 4,~~ wherein the information represents MOB_TERM status of the wireless communication device.

9.-10. (Cancelled)

11. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header containing information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one telephony infrastructure component receiving the information for use thereof in establishing communication with the wireless communication device,

wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message,

the information represents CDMA call set-up parameters, and
the parameters are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure ~~The system of Claim 4~~, wherein the header is part of an SIP message from a virtual IP endpoint, and the information represents communication from a non-IP enabled CDMA communication device.

12-14 (Cancelled)

15. (Currently Amended) A method for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

adding data in at least one IP message header representing at least one OTA network parameter, wherein the parameter is related to the OTA protocol but not to voice over IP (VOIP) protocol used within the infrastructure ~~The method of Claim 13~~, wherein the parameter includes a station classmark and the classmark represents at least wireless telephone power.

16.-27 (Cancelled)

28. (Currently Amended) A wireless communication device infrastructure transmitting information internally to the infrastructure using Internet Protocol (IP) messages, at least one message being sent from a virtual IP endpoint within the infrastructure and representing communication from a wireless communication device transmitting information using an over-the-air (OTA) protocol different from IP, wherein the information is transmitted in at least one header of at least one session initiation protocol (SIP) message, the information represents CDMA call set-up parameters, and the parameters are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the

~~infrastructure~~ The ~~infrastructure of Claim 26~~, wherein the information includes at least one station classmark and the classmark represents wireless telephone power.

29.-32 (Cancelled)

33. (Previously Presented) A wireless communication device infrastructure transmitting information internally to the infrastructure using Internet Protocol (IP) messages, at least one message being sent from a virtual IP endpoint within the infrastructure and representing communication from a wireless communication device transmitting information using an over-the-air (OTA) protocol different from IP, wherein the information is transmitted in at least one header of at least one session initiation protocol (SIP) message and the header is part of an SIP message from a virtual IP endpoint, and the information represents communication from a non-IP enabled CDMA communication device.

34.-36 (Cancelled)

37. (Previously Presented) A method, comprising:
using extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol (VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure, wherein the parameters include a station classmark and the classmark represents telephone power.

38.-57 (Cancelled)

58. (Previously Presented) A method for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

adding data in at least one IP message header representing at least one OTA network parameter;

sending a first SIP Invite message containing a full OTA address of an originating wireless endpoint;

receiving a destination address in response thereto; and

sending a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not required for SIP VOIP communication, wherein the message header is a portion of a Session Initiation Protocol (SIP) Invite Request message.

59. (Previously Presented) A method, comprising:

using extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol (VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure;

sending a first SIP Invite message containing at least some CDMA-specific parameters not required for SIP VOIP communication;

receiving a destination address in response thereto; and

sending a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not required for SIP VOIP communication.

REMARKS

Claims 1-59 are pending in the present application. In the present response, claims 1-5, 9-10, 12-14, 16-27, 29-32, 34-36 and 38-57 have been canceled and claims 6-8, 11, 15, and 28 have been amended. Therefore, after entry of the above amendments, claims 6-8, 11, 15, 28, 33, 37, and 58-59 will be pending in this application. Applicants believe that the present application is now in condition for allowance, which prompt and favorable action is respectfully requested.

Claim Objections

Claim 13 is objected to because of informalities. Applicant has revised the claims to overcome this objection. Therefore, Applicants respectfully request the Examiner to withdraw this objection.

Claim Rejections – 35 USC § 102

Claims 4, 5, 13 and 26 are rejected under 35 USC § 102(e), as being anticipated by Maggenti *et al.* (US Patent 6,477,150). Applicants have canceled the above claims; therefore, this rejection is moot.

Allowable Subject Matter

Claims 6-8, 11, 15 and 28 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants have amended these claims accordingly. Therefore, Applicants respectfully request the Examiner to withdraw this objection.

Applicants appreciate the Examiner's allowance of Claims 33, 37, 58 and 59.

CONCLUSION

In light of the amendments contained herein, Applicants submit that the application is in condition for allowance, for which early action is requested.

Please charge any fees or overpayments that may be due with this response to Deposit Account No. 17-0026.

Respectfully submitted,

Dated: October 11, 2006

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